

Comparisons of Job Characteristics

Focus Occupation: Heavy and Tractor-Trailer Truck Drivers (53-3032)

Associated Occupation: Highway Maintenance Workers (47-4051)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 66

Focus Occupation: Heavy and Tractor-Trailer Truck Drivers (53-3032)

Associated Occupation: Highway Maintenance Workers (47-4051)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Public Safety and Security	6.9	14.2	10.4	<< Extensive education and/or training may be required
Building and Construction	4.0	12.2	2.6	<< Extensive education and/or training may be required
Transportation	4.6	10.6	16.1	>> Current knowledge level is likely more than sufficient
Law and Government	5.9	10.2	8.4	< Expanded education and/or training may be required
Telecommunications	3.9	6.9	4.2	<< Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 89

Focus Occupation: Heavy and Tractor-Trailer Truck Drivers (53-3032)

Associated Occupation: Highway Maintenance Workers (47-4051)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Operation and Control	5.4	11.4	13.1	> Skill level is likely sufficient
Operation Monitoring	6.6	11.4	9.9	< A higher skill level may be required
Troubleshooting	4.5	8.5	7.0	< A higher skill level may be required
Quality Control Analysis	5.9	8.4	8.3	0 Current skill level may be sufficient
Equipment Maintenance	3.5	8.3	7.3	< A higher skill level may be required
Repairing	3.4	7.9	6.9	< A higher skill level may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 81			
Focus Occupation: Heavy and Tractor-Trailer Truck Drivers (53-3032) Associated Occupation: Highway Maintenance Workers (47-4051)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Control Precision	6.6	13.3	13.1	0	Current ability level may be sufficient
Multilimb Coordination	6.0	12.9	12.7	0	Current ability level may be sufficient
Reaction Time	4.8	10.8	12.3	>	Current ability level is likely sufficient
Auditory Attention	5.9	10.5	8.2	<	Some improvement in abilities may be required
Rate Control	3.8	9.8	11.2	>	Current ability level is likely sufficient
Response Orientation	4.0	9.8	12.1	>	Current ability level is likely sufficient
Speed of Limb Movement	3.2	8.7	6.9	<	Some improvement in abilities may be required
Spatial Orientation	2.7	6.9	10.2	>>	Current ability level is likely more than sufficient
Peripheral Vision	2.2	5.5	9.0	>>	Current ability level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 64	
Focus Occupation: Heavy and Tractor-Trailer Truck Drivers (53-3032) Associated Occupation: Highway Maintenance Workers (47-4051)			
Work Activities		Exclusivity of Activity	
Drive truck with capacity greater than 3 tons		72	
Move or fit heavy objects		8	
Transport passengers or cargo		64	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common	Similarity of Focus Occupation to Associated Occupation: 73
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Focus Occupation: Heavy and Tractor-Trailer Truck Drivers (53-3032)
Associated Occupation: Highway Maintenance Workers (47-4051)

Tools and Technologies	Exclusivity
Aerial lifts	13
Business function specific software	1
Compressors	9
Computers	1
Data management and query software	1
Earth moving machinery	11
Heavy equipment components	21
Lifting equipment and accessories	3
Personal communication devices	2
Product and material trailers	24
Product and material transport vehicles	13

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.